



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,249	09/25/2003	Takeshi Kanai	243073US6	3189
22850 7590 02/23/2007 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER TERMANINI, SAMIR	
			ART UNIT 2178	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			NOTIFICATION DATE	
3 MONTHS			02/23/2007	
			DELIVERY MODE ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 02/23/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com
oblonpat@oblon.com
jgardner@oblon.com

Office Action Summary	Application No. 10/669,249	Applicant(s) KANAI, TAKESHI	
	Examiner Samir Termanini	Art Unit 2178	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>N/A</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

BACKGROUND

1. This Office Action is responsive to the following communications:
Applicant's amendment filed on 11/15/2006.

2. Claims 1-5 are pending in this case. The Applicant has canceled claim 6 and amended claims 1 and 4-5. Claims 1 and 4-5 are in independent form.

3. Applicant has amended the Title in response to the objection cited by the Examiner in the previous Office Action (dated 8/15/2006) with regard to descriptiveness. The objection is withdrawn in view of the amendment.

4. Applicant has canceled claim 6 thereby making the 35 USC §101 rejection cited by the Examiner in the previous Office Action (dated 8/15/2006) moot.

5. Applicant's arguments concerning the Examiner's rejections of claims 1-5, made under 35 U.S.C. §102(b) in the previous Office Action (dated 8/15/2006) have been fully considered but they are not persuasive.

INFORMATION DISCLOSURE STATEMENT

6. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a

separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

CLAIM OBSERVATIONS

7. A claim limitation will be interpreted to invoke 35 U.S.C. 112, sixth paragraph, if it meets the following 3-prong analysis:

(A) the claim limitations must use the phrase "means for" or "step for;"

(B) the "means for" or "step for" must be modified by functional language; and

(C) the phrase "means for" or "step for" must not be modified by sufficient structure, material or acts for achieving the specified function.

8. Claims 1 and 4-5 are not being treated under 35 U.S.C. 112, sixth paragraph.

Although claims 1, and 4-5, include the phrase "means for" or "step for" they are modified (after each "wherein" clause) by sufficient structure, material or acts for achieving the specified function.

SPECIFICATION

9. The abstract of the disclosure is still objected to because of typographical errors: (1) the word "screen" at the end of the first sentence should be plural; (2) the phrase "cannot be change changed" in the second to last sentence appears redundant, or alternatively, grammatically confusing. Correction is required. See MPEP § 608.01(b).

CLAIM REJECTIONS - 35 USC § 102

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

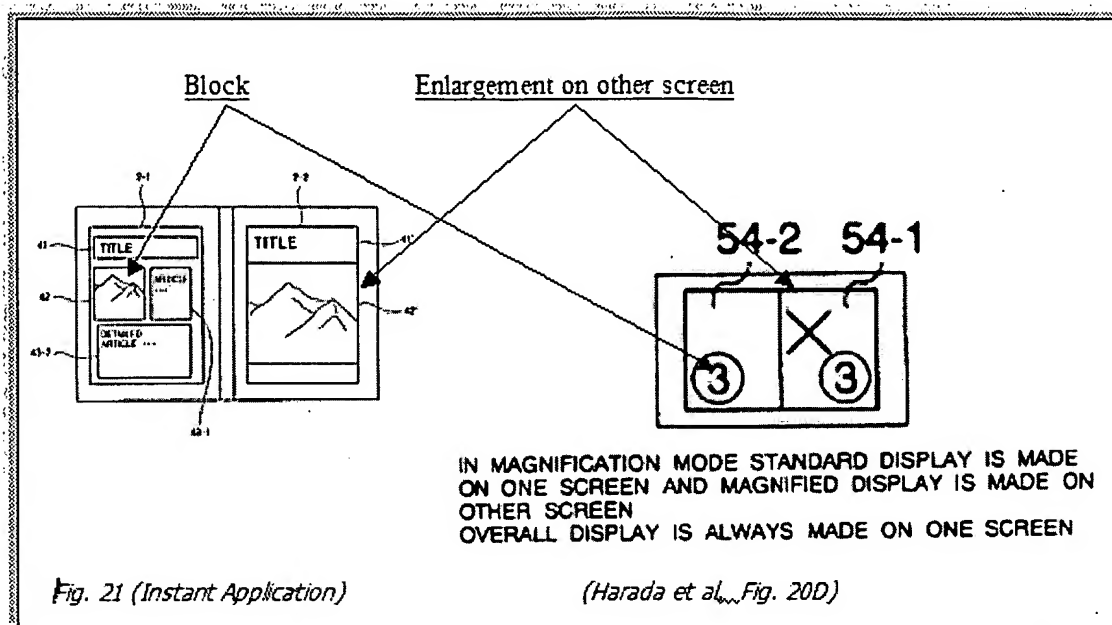
11. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by *Harada et al.* (U.S. Pat No. 6,486,890).

As to independent claim 1, *Harada et al.* teach an information processing device (Portable Terminal 1, Fig.1) comprising: storage means (memory circuit 516, col. 13, lines 50-60) for storing content data of predetermined content (predetermined amount of data, col. 13, lines 50-60); and display control means (console unit 519, LCD's 54, and VRAM, col. 13, lines 55-65) for controlling display of the predetermined content ("...information of a predetermined format..." col. 6, lines 28-29; *see also* predetermined amount of data, col. 13, lines 50-60) based on the stored content data (e.g. "recorded on a magneto-optical disk," col. 8, lines 1-15) (data read from the record medium, col. 14, line 53), wherein: the predetermined content is divided into a plurality of blocks ("pages," col. 8, lines. 1-15) to be consecutively displayed ("appear sequentially," col. 8, lines. 1-15). The taught display controller displays the predetermined content using positional data.

For example, the content data (in one express teaching: a book, col. 22, lines 55-64) is made up of blocks ("page" col. 22, lines 55-64). The blocks ("page," col. 22, lines 55-64; Also see "pages" col. 17, lines 25-40) are indexed so that 'block one' (page one) displays before 'block two' (page two) (e.g. "pages of recorded newspapers and magazines appear sequentially," col. 8, lines 5-7) . The "ordering" data of each blocks' position relative to either the previous or subsequent block is the positional data for the positioning of each blocks ("the first page is disappeared from the display and the next page is moved to the screen on which the disappeared page was displayed and the next new page is displayed." col. 23, lines 38-44). Furthermore, the content itself includes the positional data in the header of the column data ("Additional information such as orientation of column and page sections...is added as a header in front of the column data. ," col. 19, line 65 –to– col. 20, line 4)(emphasis added). The display controller sequentially displays ("appear sequentially by depressing a button," col. 8, lines 1-15) one of the predetermined blocks in units of the blocks (e.g. "page sections" see col. 19, line 65 –to– col. 20, line 4).

As to dependent claim 2, *Harada et al.* further teach, the limitations of claim 1, wherein the display control means controls two different screens ("two LCD screens 54-1 and 54-2," col. 22, lines 11-23), and in said display control means, display of the content based on the content data on one screen is controlled and display on the other screen of content formed by enlarging the predetermined block in the predetermined content ("Entire Image on One Side and Magnified Image on the Other Side. When two

pages are displayed on the two LCD screens (54-1 and 54-2) and one of the LCDs (for example, the right 54-1) is magnified," col. 22, lines 11-23). Further shown below:



As shown and compared above, *Harada et al.* teach in Fig. 20D, *inter alia*, the predetermined block for which enlargement is directed.

As to dependent claim 3, *Harada et al.* further teach, the limitations of claim 1, wherein, when enlargement is directed for the predetermined block (Fig 20D, above) said display control means extracts pieces of the content data ("...the data on the record medium is read and...decompressed...by the decompressor 513 and it is transferred to the memory circuit 515," col. 18, lines 14-18) which relate to the predetermined block for which the enlargement is directed (display control means is able to direct enlargement, e.g. a VRAM 516 that is divided into two parts corresponding to the two display screens 54-1 and 54-2 of the LCD 54.), and controls content based on the pieces

of the content data so as to be displayed at a predetermined magnification (e.g. magnified by a factor of two, col. 13, lines 64-65).

As to independent claim 4, *Harada et al.* teach an information processing method comprising (method, col. 1, line 63): a storage control step for controlling storage of content data (memory circuit 516, col. 13, lines 50-60) of predetermined content (predetermined amount of data, col. 13, lines 50-60); and a display control step (console unit 519, LCD's 54, and VRAM, col. 13, lines 55-65) for controlling, based on the content data (data read from the record medium, col. 14, line 53), in which the storage thereof is controlled in said storage control step, display of the predetermined content ("...information of a predetermined format..." col. 6, lines 28-29; *see also* predetermined amount of data, col. 13, lines 50-60), wherein: the predetermined content is divided into a plurality of blocks ("pages," col. 8, lines. 1-15) to be consecutively displayed ("appear sequentially," col. 8, lines. 1-15). The taught display controller displays the predetermined content using positional data. The content data (e.g. "a book," col. 22, lines 55-64) is made up of blocks ("page" col. 22, lines 55-64). The blocks ("page," col. 22, lines 55-64; Also see "pages" col. 17, lines 25-40) are indexed so that 'block one' (page one) displays before 'block two' (page two) (e.g. "pages of recorded newspapers and magazines appear sequentially," col. 8, lines 5-7) . The "ordering" data of each blocks' position relative to either the previous or subsequent block is the positional data for the positioning of each blocks ("the first page is disappeared from the display and the next page is moved to the screen on which the disappeared page was displayed and the next new page is displayed." col. 23, lines 38-44). Furthermore, the content itself includes the

positional data in the header of the column data ("Additional information such as orientation of column and page sections...is added as a header in front of the column data. ," col. 19, line 65 –to– col. 20, line 4)(emphasis added). The display controller sequentially displays ("appear sequentially by depressing a button," col. 8, lines 1-15) one of the predetermined blocks in units of the blocks (e.g. "page sections" see col. 19, line 65 –to– col. 20, line 4).

As to independent claim 5, this claim differs from claim 4 only in that the latter is directed to a product defined by the process of the former. Accordingly, this claim is rejected for the same reasons set forth in the treatment of claim 4, above.

RESPONSE TO ARGUMENTS

12. Applicant's arguments, see p. 6, line 11, filed 11/15/2006, addressing the Objection cited by the Examiner in the previous Office Action (dated 8/15/2006) with respect to the Title been fully considered and are persuasive. Accordingly, the Objection to the Title has been withdrawn.

13. Applicant's arguments, see p. 6, lines 12–22, filed 11/15/2006, addressing the Rejections cited by the Examiner in the previous Office Action (dated 8/15/2006), with respect to 35 USC §112, second paragraph, been fully considered and are persuasive. Accordingly, the 35 USC §112, second paragraph, Rejections have been withdrawn.

14. Applicant's arguments, see p. 6, lines 23–24, filed 11/15/2006, addressing the Rejections cited by the Examiner in the previous Office Action (dated 8/15/2006),

with respect to 35 USC §101, been fully considered and are persuasive. Accordingly, the 35 USC §101 Rejections have been withdrawn.

15. Applicant's arguments, see p. 7, lines 1–10, filed 11/15/2006, addressing the Rejections cited by the Examiner in the previous Office Action (dated 8/15/2006), with respect to claim 1, been fully considered but they are not persuasive.

The content data itself includes the positional data in the header of the column data ("Additional information such as orientation of column and page sections...is added as a header in front of the column data. ." col. 19, line 65 –to– col. 20, line 4)(emphasis added) which relates to blocks (e.g. "page sections" see col. 19, line 65 –to– col. 20, line 4).

16. Applicant's arguments, see p. 7, lines 11–24, filed 11/15/2006, addressing the Rejections cited by the Examiner in the previous Office Action (dated 8/15/2006), with respect to claim 1, been fully considered but they are not persuasive.

The dashed blocks in Figure 21(c) are not "transparent films" as Applicant intimates – they are magnification blocks. If they were "transparent films," how could their differing positions, in the center or against the upper right-hand corner on separate screens, be explained? Especially in view of the express teaching in *Harada et al.* that the "...transparent film...measures electrical resistances from the opposite ends of the screen...and the magnification is made around the point (see FIG. 21)." (col. 22, lines 41-47)(emphasis added). If they were "transparent films," they would at least occupy opposite ends of the screen .

17. Applicant's arguments, see p. 7, lines 1-18, filed 11/15/2006, addressing the Rejections cited by the Examiner in the previous Office Action (dated 8/15/2006), with respect to claim 1, been fully considered but they are not persuasive.

Harada et al. teach the blocks ("page," col. 22, lines 55-64; Also see "pages" col. 17, lines 25-40) wherein the content itself includes the positional data in the header of the column data ("Additional information such as orientation of column and page sections...is added as a header in front of the column data. ," col. 19, line 65 -to- col. 20, line 4).

CONCLUSION

18. The following prior art is made of record and, while not relied upon, is considered pertinent to Applicants' disclosure:

- [1] Kuno et al. (US Pat. No. 5,467,102) for teaching a portable display device capable of presenting simultaneous display of different parts of the document in reasonable sizes on at least two display screens.
- [2] Reavey et al. (US Pat. No. 5,847,698) for teaching an electronic book device with means for orientating the material on the electronic display unit responsive to an opening position of the electronic book device.
- [3] Rohrbaugh et al. (PGPUB 20020091738 A1) for teaching resolution-independent vector display of internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Samir Termanini at telephone number is (571) 270-1047. The Examiner can normally be reached from 9 A.M. to 6 P.M., Monday through Friday.

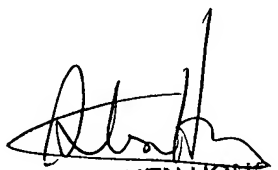
If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Stephen S. Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic

Art Unit: 2178

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Samir Termanini
Patent Examiner
Art Unit 2178


STEPHEN HONG
SUPERVISORY PATENT EXAMINER